

ABSTRACT OF THE DISCLOSURE

1 An ultrasonic revascularizer for creating holes or openings in the heart to
revascularize infarcted or blocked areas to create collateral blood flow to the damaged
area of the heart is described which includes an elongated handle having an elongated
5 flexible tubular neck extending from one end thereof. An enlarged depth guard is
provided at the distal end of the neck and has an ultrasonic needle selectively
longitudinally movably extending therethrough. A manual control in the form of a slide
button is movably mounted in the handle and is operatively connected to the needle for
controlling the longitudinal movement of the needle with respect to the depth guard. A
10 depth gauge is provided on the handle adjacent the slide button which indicates the
longitudinal position of the needle with respect to the depth guard. The needle is
operatively connected to a source of ultrasonic power for ultrasonically driving the
needle. In the revascularizer of this invention, the depth of the hole or opening in the
15 heart is easily controllable.